

OFFICE OF PURCHASING  
TEMPORARY EXECUTIVE OFFICES  
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New Orleans, LA 70114-6222  
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## Addendum (1)

Bid No: R001035 – Parking Lot Construction  
Opening Date: 12/15/2009 @ 3:00PM  
Revised Opening Date: 12/17/2009 @ 3:00PM  
  
Addendum No: 1  
Date Issued: 12/10/09

*This addendum is hereby officially made a part of the referenced solicitation. The addendum contains clarification of the initial bid specifications, the addition of specifications for storm utility drainage piping along with two drawings pertaining to the added specifications.*

*Additionally, the bid date has been revised. All bids will be due in the Delgado Community College Office of Purchasing by 3:00PM CST on Thursday December 17<sup>th</sup>, 2009*

The below signed acknowledges receipt of this addendum. A signed copy of this page is to be submitted with your bid.

Company: \_\_\_\_\_ Signature: \_\_\_\_\_

**CLARIFICATIONS TO SPECIFICATIONS****Storm Drain**

- Install a total of nine catch basins instead of six as originally indicated.
- Connect three rows of new 12" piping to existing 12" storm drain piping.
- Each row will contain three evenly spaced catch basins.
- See Storm Drain Layout.

**Adjacent Parking Lot**

- Grey out one parking stall and repaint arrows to redirect traffic flow as shown in Traffic Flow layout.

**Tree Pruning**

- Prune section of oak tree canopy that hangs directly over new parking lot to a height of 9' above ground to allow vehicles to park underneath.

**Testing**

- No laboratory services are required during any phase of parking lot construction.

**SECTION 334100 - STORM UTILITY DRAINAGE PIPING****PART 1 - GENERAL****1.1 SUMMARY****A. Section Includes:**

1. Pipe and fittings.
2. Nonpressure transition couplings.
3. Drains.
4. Catch basins.

**1.2 ACTION SUBMITTALS****A. Product Data:** For each type of product indicated.**B. Shop Drawings:**

1. Catch basins and stormwater inlets. Include plans, elevations, sections, details, frames, covers, and grates.

**1.3 INFORMATIONAL SUBMITTALS****A. Coordination Drawings:** Show pipe sizes, locations, and elevations. Show other piping in same trench and clearances from storm drainage system piping. Indicate interface and spatial relationship between manholes, piping, and proximate structures.**B. Profile Drawings:** Show system piping in elevation. Draw profiles at horizontal scale of not less than 1 inch equals 50 feet (1:500) and vertical scale of not less than 1 inch equals 5 feet (1:50). Indicate piping. Show types, sizes, materials, and elevations of other utilities crossing system piping.**1.4 DELIVERY, STORAGE, AND HANDLING****A. Protect pipe, pipe fittings, and seals from dirt and damage.****B. Handle catch basins and stormwater inlets according to manufacturer's written rigging instructions.****1.5 PROJECT CONDITIONS****A. Interruption of Existing Storm Drainage Service:** Do not interrupt service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service according to requirements indicated:

1. Notify Project Manager no fewer than two days in advance of proposed interruption of service.

## PART 2 - PRODUCTS

### 2.1 CONCRETE PIPE AND FITTINGS

#### A. Reinforced-Concrete Sewer Pipe and Fittings: ASTM C 76 (ASTM C 76M).

1. Bell-and-spigot ends and gasketed joints with ASTM C 443 (ASTM C 443M), rubber gaskets
2. Class I, Wall A.

### 2.2 NONPRESSURE TRANSITION COUPLINGS

#### A. Comply with ASTM C 1173, elastomeric, sleeve-type, reducing or transition coupling, for joining underground nonpressure piping. Include ends of same sizes as piping to be joined, and corrosion-resistant-metal tension band and tightening mechanism on each end.

#### B. Sleeve Materials:

1. For Concrete Pipes: ASTM C 443 (ASTM C 443M), rubber.

#### C. Shielded, Flexible Couplings:

1. Description: ASTM C 1460, elastomeric or rubber sleeve with full-length, corrosion-resistant outer shield and corrosion-resistant-metal tension band and tightening mechanism on each end.

### 2.3 DRAINS

#### A. Cast-Iron Area Drains:

1. Description: ASME A112.6.3 gray-iron round body with anchor flange and round grate. Include bottom outlet with inside calk or spigot connection, of sizes indicated.
2. Top-Loading Classification: Heavy Duty.

### 2.4 CATCH BASINS

#### A. Standard Precast Concrete Catch Basins:

1. Description: ASTM C 478 (ASTM C 478M), precast, reinforced concrete, of depth indicated, with provision for sealant joints.
2. Base Section: 6-inch minimum thickness.

3. Riser Sections: 4-inch minimum thickness, 48-inch diameter, and lengths to provide depth indicated.
4. Top Section: Flat-slab-top type.
5. Joint Sealant: ASTM C 990 bitumen or butyl rubber.
6. Adjusting Rings: Interlocking rings with level or sloped edge in thickness and shape matching catch basin frame and grate. Include sealant recommended by ring manufacturer.
7. Grade Rings: Include two or three reinforced-concrete rings, of 6- to 9-inch total thickness, that match 24-inch- diameter frame and grate.

### PART 3 - EXECUTION

#### 3.1 EARTHWORK

- A. Excavation, trenching, and backfilling are specified in Division 31 Section "Earth Moving."

#### 3.2 PIPING INSTALLATION

- A. General Locations and Arrangements: Drawing plans and details indicate general location and arrangement of underground storm drainage piping. Location and arrangement of piping layout take into account design considerations. Install piping as indicated, to extent practical. Where specific installation is not indicated, follow piping manufacturer's written instructions.
- B. Install piping beginning at low point, true to grades and alignment indicated with unbroken continuity of invert. Place bell ends of piping facing upstream. Install gaskets, seals, sleeves, and couplings according to manufacturer's written instructions for use of lubricants, cements, and other installation requirements.
- C. Install manholes for changes in direction unless fittings are indicated. Use fittings for branch connections unless direct tap into existing sewer is indicated.
- D. Install proper size increasers, reducers, and couplings where different sizes or materials of pipes and fittings are connected. Reducing size of piping in direction of flow is prohibited.
- E. When installing pipe through trees roots or other obstructions that cannot be disturbed, use pipe-jacking process of microtunneling.
- F. Install gravity-flow, nonpressure drainage piping according to the following:
  1. Install piping pitched down in direction of flow.
  2. Tie into existing drain with appropriate fall for gravity fed system.
  3. Install reinforced-concrete sewer piping according to ASTM C 1479 and ACPA's "Concrete Pipe Installation Manual."

### 3.3 PIPE JOINT CONSTRUCTION

- A. Join gravity-flow, nonpressure drainage piping according to the following:
  - 1. Join reinforced-concrete sewer piping according to ACPA's "Concrete Pipe Installation Manual" for rubber-gasketed joints.

### 3.4 DRAIN INSTALLATION

- A. Install type of drains in locations indicated.
  - 1. Use Heavy-Duty, top-loading classification drains in vehicle-traffic areas.
- B. Embed drains in 4-inch (102-mm) minimum concrete around bottom and sides.
- C. Fasten grates to drains if indicated.
- D. Set drain frames and covers with tops flush with pavement surface.

### 3.5 CATCH BASIN INSTALLATION

- A. Construct catch basins to sizes and shapes indicated.
- B. Set frames and grates to elevations indicated.

### 3.6 CONNECTIONS

- A. Make connections to existing piping.
  - 1. Use commercially manufactured wye fittings for piping branch connections. Remove section of existing pipe; install wye fitting into existing piping; and encase entire wye fitting, plus 6-inch overlap, with not less than 6 inches of concrete with 28-day compressive strength of 3000 psi.
  - 2. Make branch connections from side into existing piping, NPS 4 to NPS 20. Remove section of existing pipe, install wye fitting into existing piping, and encase entire wye with not less than 6 inches of concrete with 28-day compressive strength of 3000 psi.
  - 3. Protect existing piping, manholes, and structures to prevent concrete or debris from entering while making tap connections. Remove debris or other extraneous material that may accumulate.
- B. Pipe couplings, expansion joints, and deflection fittings with pressure ratings at least equal to piping rating may be used in applications below unless otherwise indicated.
  - 1. Use nonpressure-type flexible couplings where required to join gravity-flow, nonpressure sewer piping unless otherwise indicated.
    - a. Shielded flexible couplings for same or minor difference OD pipes.

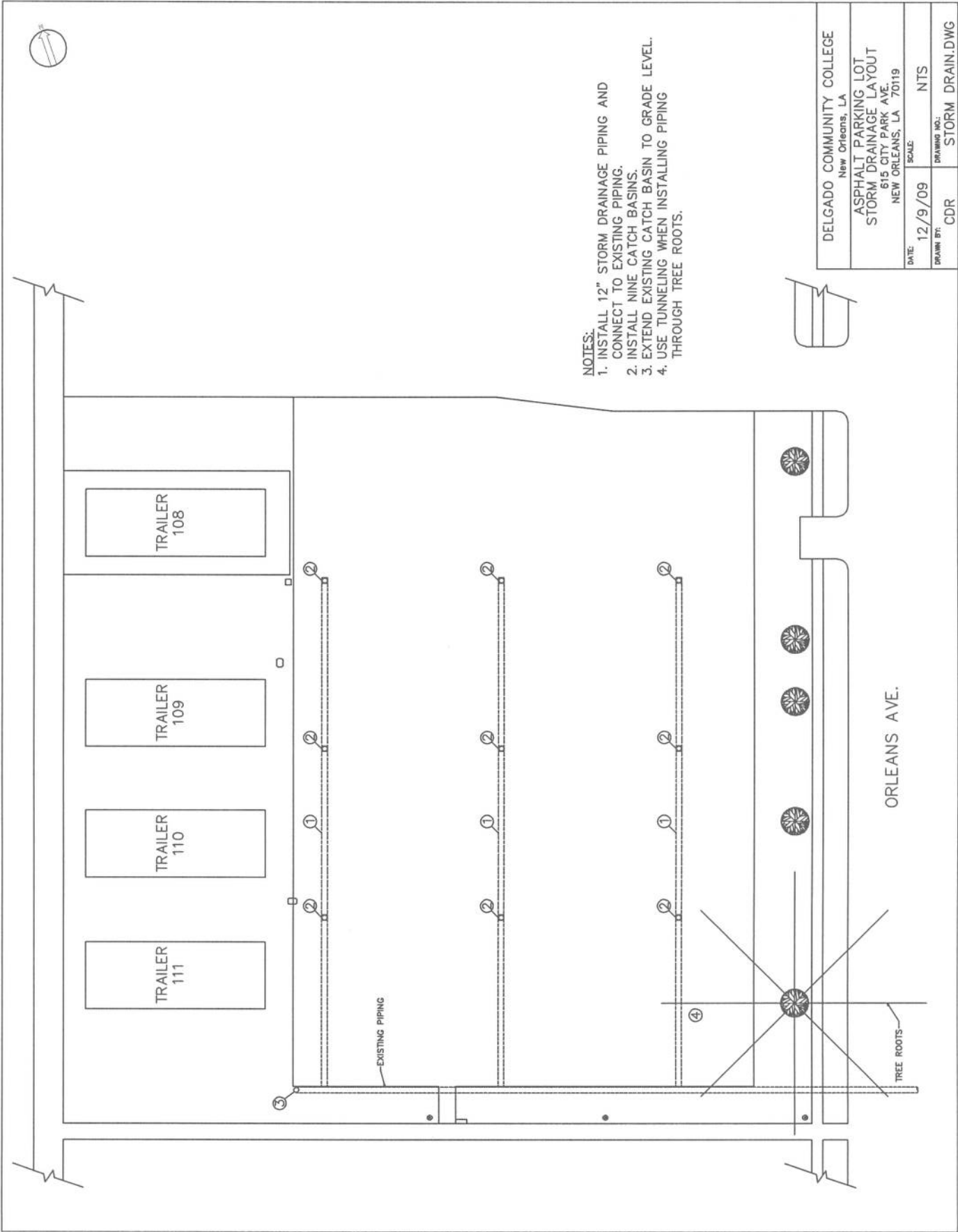
### 3.7 FIELD QUALITY CONTROL

- A. Inspect interior of piping to determine whether line displacement or other damage has occurred. Inspect after approximately 24 inches (610 mm) of backfill is in place, and again at completion of Project.
  - 1. Defects requiring correction include the following:
    - a. Alignment: Less than full diameter of inside of pipe is visible between structures.
    - b. Deflection: Flexible piping with deflection that prevents passage of ball or cylinder of size not less than 92.5 percent of piping diameter.
    - c. Damage: Crushed, broken, cracked, or otherwise damaged piping.
    - d. Infiltration: Water leakage into piping.
    - e. Exfiltration: Water leakage from or around piping.
  - 2. Replace defective piping using new materials, and repeat inspections until defects are within allowances specified.
  - 3. Reinspect and repeat procedure until results are satisfactory.
- B. Test new piping systems, and parts of existing systems that have been altered, extended, or repaired, for leaks and defects.
  - 1. Do not enclose, cover, or put into service before inspection and approval.

### 3.8 CLEANING

- A. Clean interior of piping of dirt and superfluous materials. Flush with water.

END OF SECTION 334100



**NOTES:**

1. INSTALL 12" STORM DRAINAGE PIPING AND CONNECT TO EXISTING PIPING.
2. INSTALL NINE CATCH BASINS.
3. EXTEND EXISTING CATCH BASIN TO GRADE LEVEL.
4. USE TUNNELING WHEN INSTALLING PIPING THROUGH TREE ROOTS.

DELGADO COMMUNITY COLLEGE  
New Orleans, LA

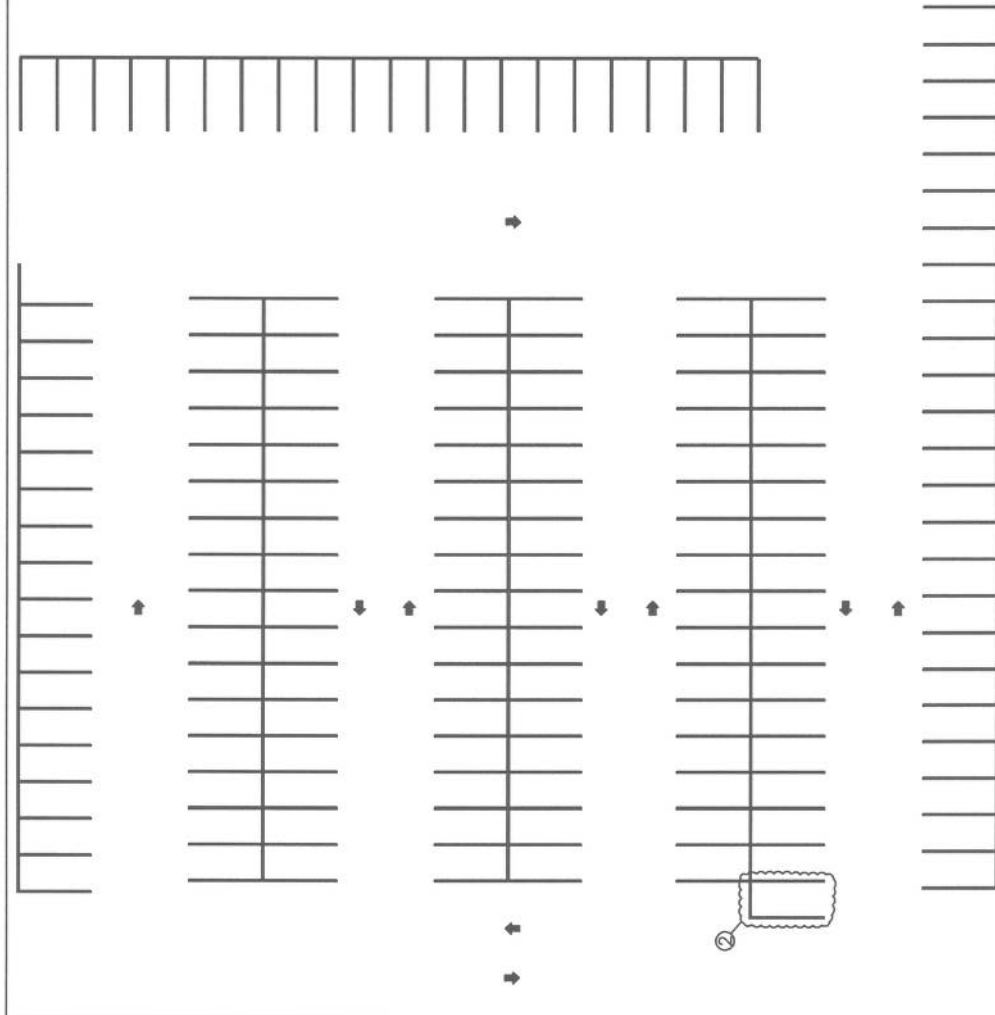
ASPHALT PARKING LOT  
STORM DRAINAGE LAYOUT  
615 CITY PARK AVE.  
NEW ORLEANS, LA 70119

DATE: 12/9/09 SCALE: NTS

DRAWN BY: CDR DRAWING NO.: STORM DRAIN.DWG

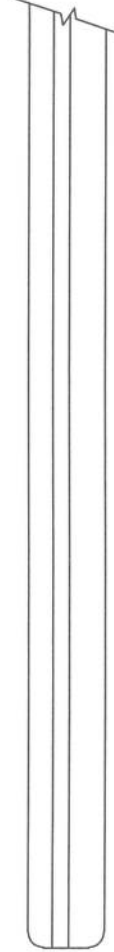


BLDG 10



NEW ASPHALT  
PARKING LOT  
SITE

- NOTES:
1. REPAINT PARKING LOT ARROWS TO REDIRECT TRAFFIC FLOW AS SHOWN.
  2. REMOVE PARKING STALL MARKINGS TO IMPROVE TRAFFIC FLOW.



ORLEANS AVE.

DELGADO COMMUNITY COLLEGE New Orleans, LA	
ADJACENT PARKING LOT NEW TRAFFIC FLOW 615 CITY PARK AVE. NEW ORLEANS, LA 70119	
DATE: 12/9/09	SCALE: NTS
DRAWN BY: CDR	DRAWING NO.: TRAFFIC FLOW.DWG